

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph [0005] with the following new paragraph [0005]:

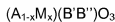
[0005] General chemical compositions for groups of oxide materials with simple perovskite structures are $(A_{1-x}M_x)BO_3$, $(A_{1-x}M_x)(B'B'')O_3$ or $A(B_{1-x}M_x)O_3$, (where A can be 1^+ , 2^+ and 3^+ ions; B can be 5^+ , $[[4+]]$ 4^+ , and 3^+ ions; B' and B'' can be 2^+ , 3^+ , 4^+ , 5^+ and 6^+ ions, and M is a magnetic ion dopant). Specific examples are $(A_{1-x}M_x)TiO_3$, $(A_{1-x}M_x)ZrO_3$, $(A_{1-x}M_x)SnO_3$, $(A_{1-x}B_x)HfO_3$, $La(Mo_{1-x}M_x)O_3$, and $Sr(Ti_{1-x}M_x)O_3$ where A=Ca, Sr, Ba, Pb, and Cd and M= Fe, Ni, Co, and Mn with $0 < x < 0.15$.

Please replace paragraph [0005.1] with the following new paragraph [0005.1]:

[0005.1] According to these embodiments, the non-magnetic element A in a ferromagnetic perovskite oxide material having the formula $(A_{1-x}M_x)BO_3$, where A is at least one non-magnetic element selected from the group consisting of Ca, Sr, Ba, Pb, Y, La, and Gd. The element B is at least one non-magnetic element selected from the group consisting of Ti, Zr, Hf, Sn, Mo, Ta, W, Nb, Al, and Bi. The element M is at least one magnetic element selected from the group consisting of Fe, Co, Ni, Cr, Mn, and V. In one embodiment the index "x" ranges from greater than 0 to less than 0.15. ~~In another embodiment, Thus~~ "x" ranges from 0 to 0.15 when A is Ca or Ba; B is Ti, Zr, or Hf; and M is Fe, Co, or Ni.

Please replace paragraph [0016] with the following new paragraph [0016]:

[0016] The invention includes general chemical compositions of the forms



where A can be 1^+ , 2^+ and 3^+ ions; B can be 5^+ , 4^+ , and 3^+ ions; B' and B'' can be 2^+ , 3^+ , 4^+ , 5^+ and 6^+ ions, M is a magnetic ion dopant such as Fe, Co, Ni and Mn.